

**Dow Brook  
Reservoir Dam  
Improvements  
2018-2019**







Photo 1

Placing imported processed 1-1/2 in. material for access road on dam crest



Photo 2

Test pit exposing existing stone block core wall



Photo 3

Demolition of the north side of concrete spillway from El. 31 to El. 30



Photo 4

Installation of steel sheeting from STA 0+05 to STA 0+45





Photo 1  
Installing sheeting south of gatehouse.



Photo 2  
Removing H pile probe and guide.



Photo 3  
Cofferdam around southern wall and  
drill holes completed.



Photo 4  
Surveying final top elevation of sheeting pair.





Photo 1  
Water Department layout of existing water supply  
and drain pipe



Photo 2  
South spillway training wall prior to forming and  
concrete placement with installed rebar



Photo 3  
Completed steel sheet pile cutoff wall facing east



Photo 4  
Completed concrete placement for south  
Training abutment wall





Photo 1

Downstream excavation to El. 35 with upstream excavation to El. 31 in preparation for sheet pile cap



Photo 2

Concrete placement for southern spillway abutment pier



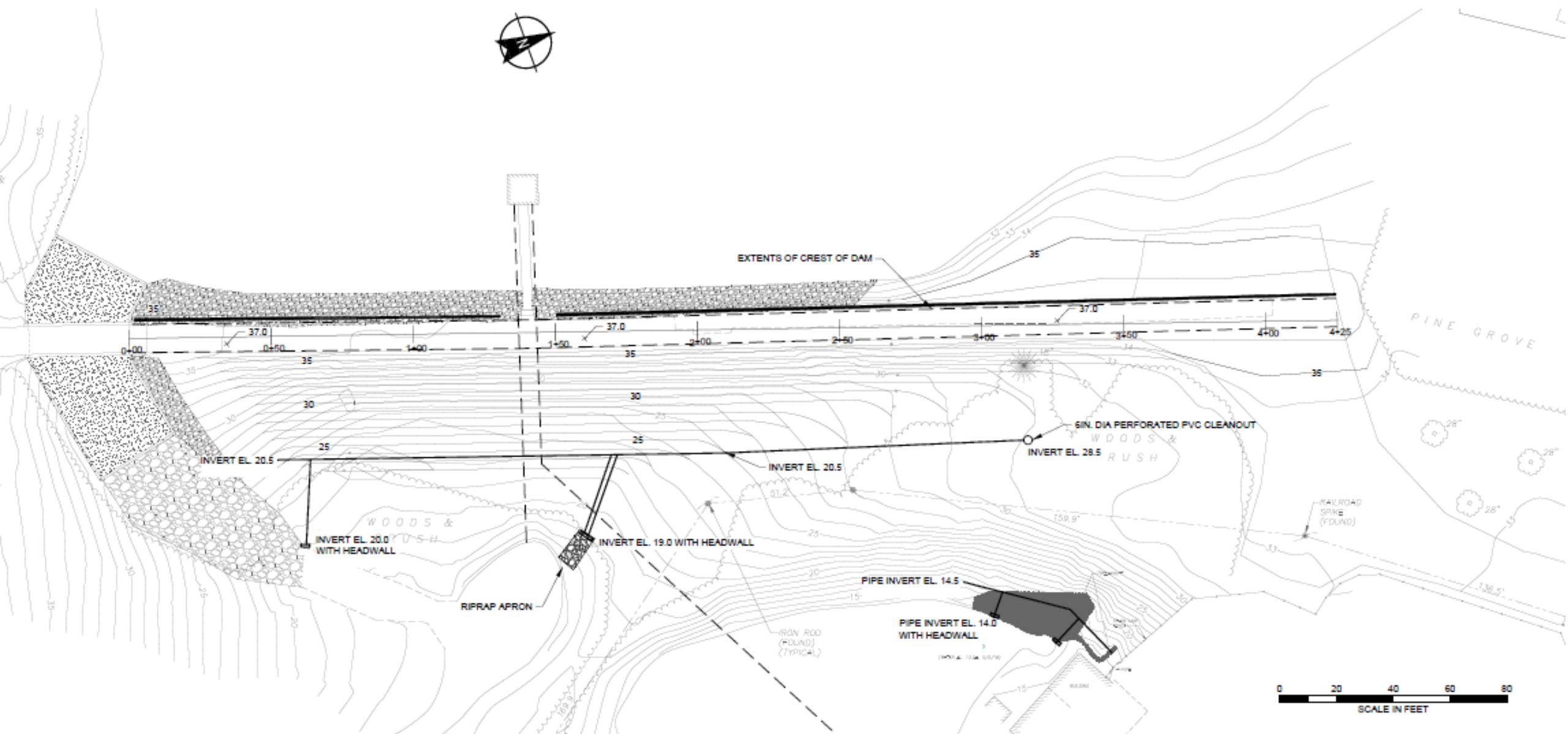
Photo 3

Rebar for northern spillway training wall along with southern spillway abutment pier

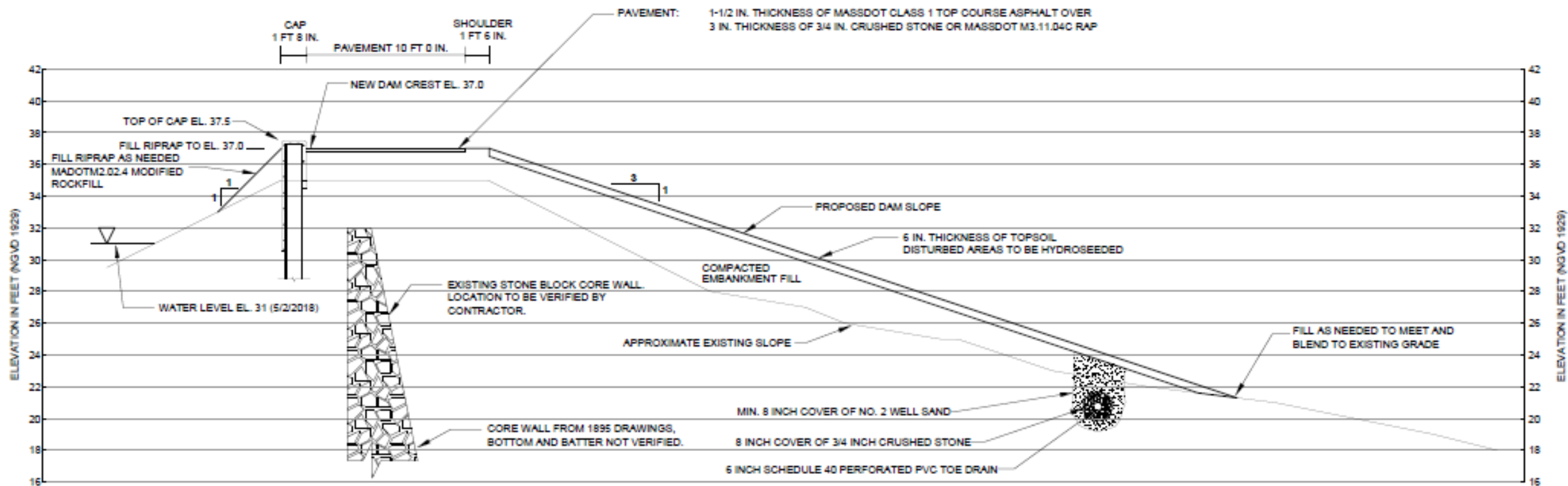


Photo 4

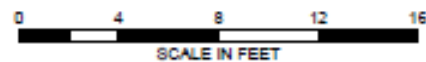
Rebar layout STA 0+00 to STA 0+50 for sheet pile cap



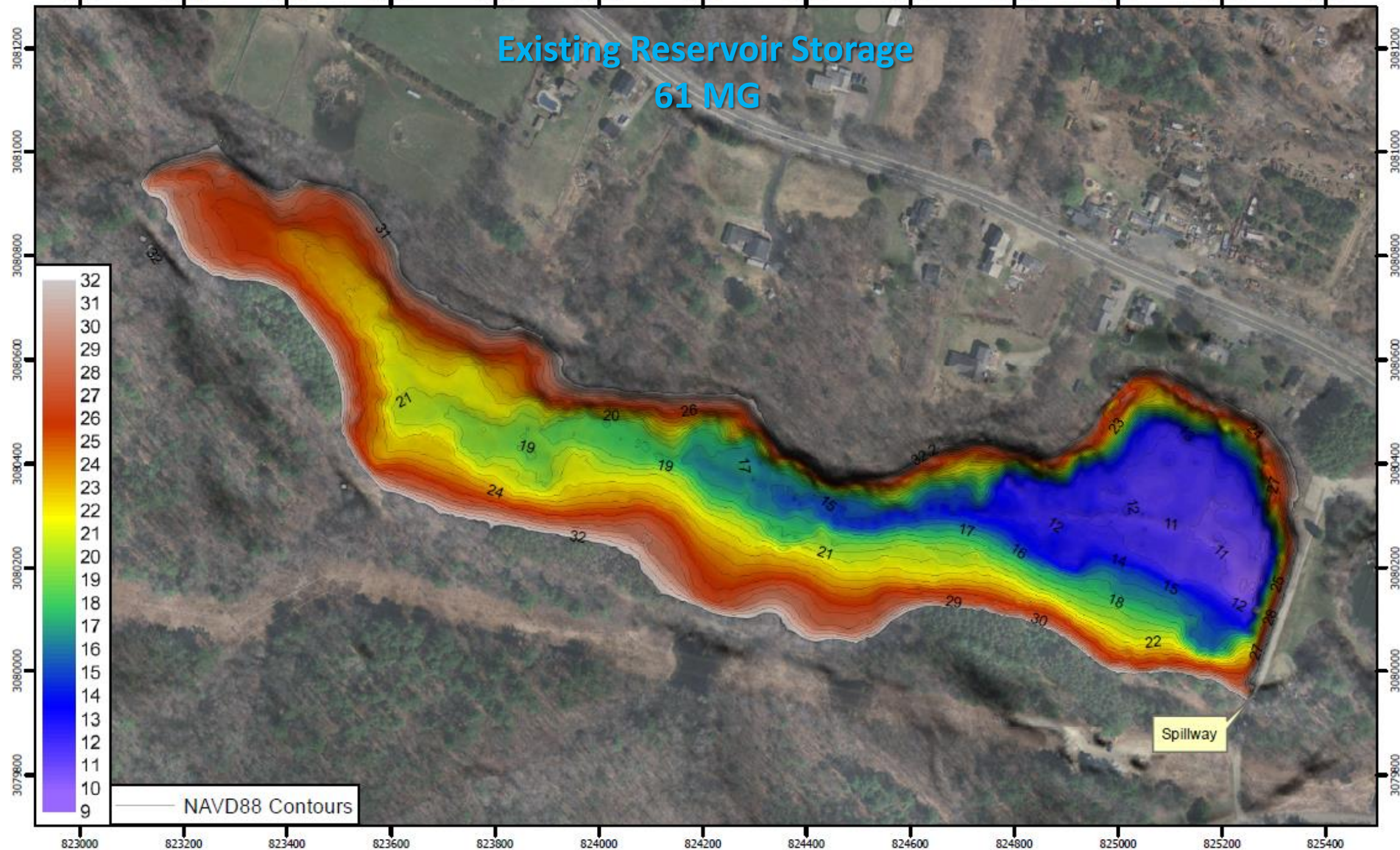




**TYPICAL NEW DAM SECTION**



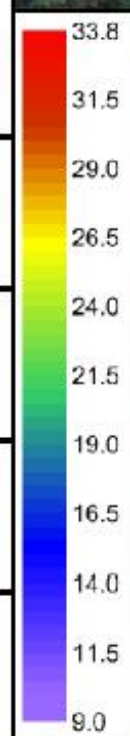
# Existing Reservoir Storage 61 MG





# Potential Reservoir Storage 73 MG

3081200  
3081000  
3080800  
3080600  
3080400  
3080200  
3080000  
3079800



Spillway

3081200  
3081000  
3080800  
3080600  
3080400  
3080200  
3080000  
3079800

822800 823000 823200 823400 823600 823800 824000 824200 824400 824600 824800 825000 825200 825400 825600